

GP2151

PTO/SB/21 (08-00)

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# TRANSMITTAL FORM

*(This form is to be used for all correspondence after initial filing)*

		Application Number	09/870,626
		Filing Date	6/1/01
		First Named Inventor	Stephen A. Bowling
		Group Art Unit	2151
		Examiner Name	
Total Number of Pages in This Submission		Attorney Docket Number	18153.0051

## ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Statement Claiming Small Entity Status <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <b>PTO 1449 Form and Communication in Association with IDS</b>
Remarks		

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Technology Center 2100

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Chadwick A. Jackson, Reg. No. 46,495
Signature	
Date	November 15, 2001

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date:

Typed or printed name	
Signature	
Date	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Atty Docket: 18153.0051



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Stephen A. Bowling

Application No. 09/870,626

Art Unit: 2151

Filed: June 1, 2001

Examiner:

For: PROCESSOR WITH DUAL-  
DEADTIME PULSE WIDTH  
MODULATION GENERATOR

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INFORMATION DISCLOSURE STATEMENT **Technology Center 2100**

Assistant Commissioner for Patents

Washington, D.C. 20231

Sir:

For insuring compliance with the applicant's duty of disclosure under 37 CFR § 1.56, the undersigned hereby submits the documents listed on the attached Form PTO-1449 for consideration by the Examiner in charge of the above-identified patent application.

[ ] U.S. patent applications which the applicant considers to be related to the above-identified application are as follows:

[ ] A concise explanation of the relevance of the non-English language references is attached:

[ ] The relevance of the references is indicated on the enclosed copy of the \_\_\_\_\_ Search Report for the priority application.

These documents are being submitted (check only one of the next four boxes):

within three months of the filing of the above U.S. national application or of the date of entry of the U.S. national stage in an International Patent Application (no fee is due);

before receiving a first Office Action on the merits of the above-identified patent application; or before receiving a first Office Action after filing of a Request for Continued Examination (no fee is due);

following receipt of a first Office Action, but before issuance of a Final Office Action or a Notice of Allowance (if this box is checked, one of the last three boxes also must be checked);

OR

following receipt of a Notice of Allowance or a Final Office Action (if this box is checked, the next box and one of the last two boxes also must be checked).

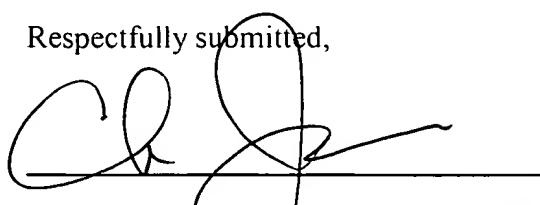
The Commissioner is hereby authorized to charge Deposit Account 19-5127, Order No. \_\_\_\_\_ in the amount of \$180.00 for payment of the fee set forth in 37 CFR § 1.17(p).

The undersigned certifies that each item of this information is being submitted within three months of the date it was cited by a foreign patent office in a counterpart application.

The undersigned certifies that, after making reasonable inquiry, he/she has no knowledge that any item of this information was cited by a foreign patent office in a counterpart application or was known more than three months prior to this submission.

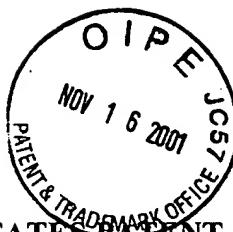
The Commissioner is hereby authorized to charge payment of any deficiency in the above fee(s) or to charge any additional fees required under 37 CFR § 1.16 or 1.17 or credit any overpayment to Deposit Account No. 19-5127, Order No. 18153.0051. A duplicate copy of this authorization is attached for the Finance Branch.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "C. A. Jackson", is written over a horizontal line.

Chadwick A. Jackson, Reg. No. 46,495  
Swidler Berlin Shreff Friedman, LLP  
3000 K Street N.W., Suite 300  
Washington, D.C. 20007-5116  
202 424-7500

Date: November 15, 2001



Client No. 18153.0051

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Stephen A. Bowling

Group Art Unit 2151

Application No. 09/870,626

Examiner:

Filed: June 1, 2001

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Titled: PROCESSOR WITH DUAL-  
DEADTIME PULSE WIDTH  
MODULATION GENERATOR

NOV 21 2001

Technology Center 2100

**COMMUNICATION IN ASSOCIATION WITH  
INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Copies of the references recited in the Information Disclosure Statement for the above-mentioned application may be found in any one of the following applications:

<u>Application No.</u>	<u>Docket No.</u>	<u>Group/Art Unit</u>
1. US 09/870,461	18153.0044	2121
2. US 09/870,449	18153.0035	2661
3. US 09/870,446	18153.0046	2184
4. US 09/870,648	18153.0038	2186
5. US 09/870,637	18153.0033	2151
6. US 09/870,456	18153.0056	2819
7. US 09/870,711	18153.0049	2817
8. US 09/870,944	18153.0040	2171
9. US 09/870,454	18153.0054	2631
10. US 09/870,457	18153.0042	2183

Client No. 18153.0051

The Commissioner is hereby authorized to charge any insufficient fees or credit any overpayment to Deposit Account No. 19-5127 referencing Order No. 18153.0051 for entry of this paper.

Respectfully submitted,

Swidler Berlin Shreff Friedman, LLP

By: Chadwick A. Jackson  
Registration No. 46,495

Dated: November 15, 2001

SWIDLER BERLIN SHEREFF FRIEDMAN, LLP  
3000 K Street, N.W., Suite 300  
Washington, D.C. 20007  
(202) 424-7500

## FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

NOV 16 2001

Attorney Docket: 18153.0051 Application No.: 09/870,626  
 Applicant: Stephen A. Bowling  
 Filing Date: June 1, 2001 Examiner:  
 Group Art Unit: 2151

## U.S. PATENT DOCUMENTS

Examiner Initial	Ref. No	Document Number	Date	Name	Class	Sub-Class	Filing Date
		6,061,780	May 9, 2000	Shippey, et al			
		5,056,004	Oct. 8, 1991	Ohde et al.			
		6,026,489	Feb. 15, 2000	Wachi et al.			
		5,951,679	Sept. 14, 1999	Anderson, et al.			
		5,117,498	May 26, 1992	Miller, et al.			
		5,101,484	Mar. 31, 1992	Kohn			
		5,740,419	April 14, 1998	Potter			
		5,826,096	Oct. 20, 1998	Baxter			
		5,938,759	Aug. 17, 1999	Kamijo			
		5,930,503	July 27, 1999	Drees			
		6,076,154	June 13, 2000	Van Eijndhoven et al			
		5,706,460	Jan. 6, 1998	Craig et al.			
		5,825,730	Oct. 20, 1998	Nishida et al.			
		6,014,723	Jan 11, 2000	Tremblay et al.			
		5,790,443	Aug. 4, 1998	Shen et al.			
		5,448,706	Sept. 5, 1995	Fleming et al.			
		5,448,703	Sept. 5, 1995	Amini et al.			
		5,206,940	Apr. 27, 1993	Murakami et al.			
		4,829,420	May 9, 1989	Stahle			
		5,778,416	Jul. 7, 1998	Harrison et al.			
		5,600,813	Feb. 4, 1997	Nakagawa et al.			
		5,012,441	April 30, 1991	Retter			
		6,009,454	Dec. 28, 1999	Dummermuth			
		5,828,875	Oct. 27, 1998	Halvarsson et al.			
		4,882,701	Nov. 21, 1989	Ishii			
		4,626,988	Dec. 2, 1986	George			
		5,099,445	Mar. 24, 1992	Studor et al.			
		5,379,240	Jan. 3, 1995	Byrne			
		5,327,543	Jul. 5, 1994	Miura et al.			
		4,511,990	April 16, 1985	Hagiwara et al.			
		4,829,460	May 9, 1989	Ito			
		5,038,310	Aug. 6, 1991	Akagiri et al.			
		4,872,128	Oct. 3, 1989	Shimizu			
Examiner				Date Considered			

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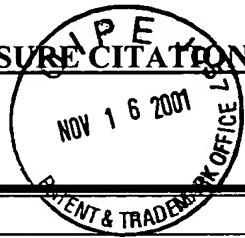
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Technology Center 2100

## FORM PTO-1449

INFORMATION DISCLOSURE CITATION

Attorney Docket: Serial No.:  
18153.0051 09/870,626  
Applicant: Examiner:  
Stephen A.  
Bowling  
Filing Date: Group Art Unit:  
June 1, 2001 2151



Examiner: Initial if reference consider, whether or not citation is in conformance with MPEP §609.

Draw line through citation if not in conformance and not considered.

Include copy of this form with next communication to Application

## U.S. PATENT DOCUMENTS

Examiner Initial	Ref. No	Document Number	Date	Name	Class	Sub-Class	Filing Date
		4,977,533	Dec. 11, 1990	Miyabayashi et al.			
		5,941,940	Aug. 24, 1999	Prasad et al.			
		5,951,627	Sept. 14, 1999	Kiamilev et al.			
		6,058,409	May 2, 2000	Kozaki et al.			
		5,991,787	Nov. 23, 1999	Abel et al.			
		5,007,020	Apr. 9, 1991	Inskeep			RECEIVED
		5,197,140	Mar. 23, 1993	Balmer			
		5,499,380	Mar. 12, 1996	Iwata et al.			NOV 21 2001
		4,839,846	Jun. 13, 1989	Hirose et al.			
		4,941,120	Jul. 10, 1990	Brown et al.			Technology Center 2100
		6,058,410	May 2, 2000	Sharangpani			
		5,943,249	Aug. 24, 1999	Handlogten			
		5,212,662	May 18, 1993	Cocanougher et al.			
		6,101,521	Aug. 8, 2000	Kosiec			
		4,943,940	Jul. 24, 1990	New			
		6,134,574	Oct. 17, 2000	Oberman et al.			
		5,930,159	Jul. 27, 1999	Wong			
		5,892,697	Apr. 6, 1999	Brakefield			
		5,619,711	Apr. 8, 1997	Anderson			
		5,917,741	Jun. 29, 1999	Ng			
		5,909,385	Jun. 1, 1999	Nishiyama et al.			
		5,276,634	Jan. 4, 1994	Suzuki et al.			
		5,880,984	Mar. 9, 1999	Burchfiel et al.			
		5,469,377	Nov. 21, 1995	Amano			

Examiner

Date Considered

Examiner: Initial if reference consider, whether or not citation is in conformance with MPEP §609.

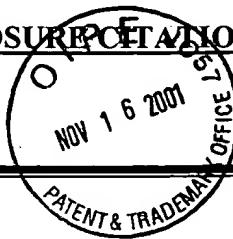
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**FORM PTO-1449**

## ~~INFORMATION DISCLOSURE CITATION~~

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18153.0051 09/870,626  
Applicant: Examiner:  
Stephen A.  
Bowling  
Filing Date: Group Art Unit:  
June 1, 2001 2151



## U.S. PATENT DOCUMENTS

For a detailed description of the model, see [Mullainathan and Shafir \(2013\)](#) and [Mullainathan et al. \(2014\)](#).

initial if reference consider, whether or not citation is in conformance with the following:

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Initials \_\_\_\_\_ of this form will be transmitted to AIA/CES.

## FORM PTO-1449

INFORMATION DISCLOSURE CITATION

Attorney Docket: Serial No.:  
18153.0051 09/870,626  
Applicant: Examiner:  
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Filing Date: Group Art Unit:  
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PATENT &amp; TRADEMARK OFFICE

U.S. PATENT DOCUMENTS

Examiner Initial	Ref. No	Document Number	Date	Name	Class	Sub-Class	Filing Date
		6,145,049	Nov. 7, 2000	Wong			
		6,128,728	Oct. 3, 2000	Dowling			
		5,327,566	July 5, 1994	Forsyth			
		5,642,516	Jun. 24, 1997	Hedayat et al.			
		3,781,810	Dec. 25, 1973	Downing			
		5,463,749	Oct. 31, 1995	Wertheizer et al			
		5,471,600	Nov. 28, 1995	Nakamoto			
		5,737,570	Apr. 7, 1998	Koch			
		4,481,576	Nov. 6, 1984	Bicknell			
		4,959,776	Sep. 25, 1990	Deerfield et al.			NOV 21 2001
		5,032,986	Jul. 16, 1991	Pathak et al.			
		5,155,823	Oct. 13, 1992	Tsue			Technology Center 2100
		6,044,434	Mar. 28, 2000	Oliver			
		4,984,213	Jan. 8, 1991	Abdoo et al.			
		6,058,464	May 2, 2000	Taylor			
		6,145,049	Nov. 7, 2000	Wong			
		5,327,566	July 5, 1994	Forsyth			
		5,642,516	June 24, 1997	Hedayat, et al.			
		6,128,728	Oct. 3, 2000	Dowling			
		5,122,981	Jun. 16, 1992	Taniguchi			
		5,812,439	Sep. 22, 1998	Hansen			
		5,696,711	Dec. 9, 1997	Makineni			
		5,808,926	Sept. 15, 1998	Gorshtein et al.			
		5,694,350	Dec. 2, 1997	Wolrich et al.			
		5,568,412	Oct. 22, 1996	Han et al.			
		5,764,555	Jun. 9, 1998	McPherson et al.			
		5,748,516	May 5, 1998	Goddard et al.			
		5,548,544	Aug. 20, 1996	Matheny et al.			
Examiner				Date Considered			
Examiner: Initial if reference consider, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Application							